Catalina Commodore Computer Club, Inc.

TUCSON, ARIZONA

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JANUARY 1991
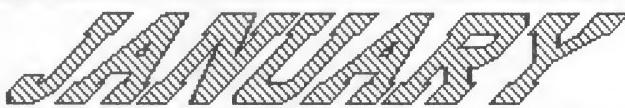
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
Check CCCC Library and get GEOS SUPPORT DISKS		**1** New Year's Day	**2** CCCC MEETING 7 PM - 9:30 PM ST. PETER & PAUL GRAMER HALL	**3**	**4**	**5**
6	**7**	**8** EXECUTIVE BOARD MEETING 7:30 PM at Devon Gables 6150 E. Grant	**9**	**10**	**11**	**12**
13	**14**	**15**	**16** *DEADLINE* for Newsletter INPUT	**17**	**18**	**19 HELP DAY** plus AMIGA SIG GEOS SIG 10 AM-2 PM St Peter & Paul Madonna Hall
20	**21**	**22**	**23** NEWSLETTER PARTY 7 PM St Peter & Paul Madonna Hall	**24**	**25**	**26**
27	**28**	**29**	**30** Full Moon	**31**		

... AND A MULTISYNC MONITOR WITH A 19" DIAGONAL SCREEN, AND A 150 MEG HARD DRIVE, AND A...

Desperately Seeking
.....not Susan, but SOMEONE.....

willing and able to take over as Editor of the C64/128 Section of this newsletter, beginning with next month's issue. WARREN TALBOT, who has done an admirable job with layout & printing, is moving to California. I will miss his help more than I can say. I will continue to produce the Amiga Section, but without Warren's help I can no longer be responsible for the C64/128 Section. After 2-1/2 years, I feel it's time someone else had the opportunity to get involved. I know you're out there somewhere, New Editor, so please call Leila Joiner at 327-0540, ASAP.

READ ME FIRST 12/90
by Ted Seitz, CCCC DOM ed.

By the power invested in me as the editor and CEO of the disk publishing subsidiary of CCCC, Inc., I do humbly and with great pride wish you a very merry Christmas and a blessed New Year.

This Christmas issue of the CCCC DOM is a *** 2 sider *** as a special gift to ya'all. This side has some excellent **T. H. E. Fox** cartoons. They will display themselves. Simply LOAD and RUN or select from menu.

The flip side is mostly Christmas music. There are two SIDplayer programs and 27 tunes, most with words, one with a picture. I call your attention to the **Chipmunk Song**, adapted for SIDplayer by an 11 year old girl. I will try to get a writing program for a future issue so that you too can write your favorite music to your '64.

Then there are a couple of golden Christmas oldies. **Christmasloader** will pick up the other three Christmas files and launch an classic Commodore demo. **Wise Men** is an excellent example of the old typewriter pictures that used to be so popular. It should work with any printer, even daisy wheels. Just LOAD and RUN it. If your printer does 66 lines to the page start down a good third of a page; if it prints less start at the top.

Solar System is a little demo of the central portion.

And then we have three games: 'though I have had considerable experience along the lines of **Baby Care**, I was not able to care for the baby without going insane. (You knew that?)

Black Jack 1 is a Butterfield game.

Montana is a solitary card game I have not seen before. I spent a lot more time on it than I had intended to.

That's it for this year. See you next year.

COMMUNITY CORNER
by Leila Joiner, CCCC

The Volunteer Center coordinates volunteer services in Tucson. Each month we will be publishing a list of (somewhat) computer-related volunteer positions available. If you have time and knowledge to spare, please look through this list and contact the Volunteer Center, 877 S. Alvernon between 9 AM and 5 PM or call 327-6207 to offer your help.

ENVIRONMENTAL PSYCHOLOGY student (visually impaired) seeks data entry volunteer to record notes.

ADULT LITERACY volunteers' training (4 weeks) begins Jan. 12 in basic reading and English as second language.

RESEARCH ARTICLES/grants, produce newsletter/brochures, or help in office as volunteer for rape crisis agency.

WILL TRAIN FOR data entry volunteer opening, if you can type; one day or two half-days/week.

CLASSES FOR ADULTS need volunteers: computer lab, clerical, teaching aide, Spanish lesson, video helper.

If you volunteer for any of the items you see listed in this column, I'd like to hear about your experiences. Please call Leila Joiner at 327-0540.

Janary Meeting; Amiga demo with Dennis McCormick and Leila Joiner!
— Includes Amiga digitized pictures!!! —

February Meeting!
Howard Wooten will demonstrate a $175 MIDI software package that was donated to the Club by Dr. T's Music Software with the help of Nancy Dippold of Micro Shop.

This Keyboard Controlled Sequencer and Algorithmic Composer will be raffled at the end of the meeting!!!

Get Ready for your TAXES!!!
With Harv Harris' tax program for the C64/128, Amiga & MS-DOS computers. These programs will be available at the January meeting - all for only $5.00ea.!

WELCOME! NEW MEMBER

Keith Duerinck

CATALINA COMMODORE COMPUTER CLUB
EXECUTIVE BOARD MEETING OF
NOVEMBER 13, 1990

The meeting was held at the Devon Gables Home and was called to order at 740 p.m. Board members present were: Pres: Warren Talbot, Vice-Pres: Frank Traversone, Retiring treas. & new Member at Large: Bob Clausen, Secretary: Bob Holdcraft, Member at Large & Membership Chair: Frank Prievo, M/A/L: Tom D'Angelo, Newsletter Editor: Leila Joiner, Treas.-nominee: Dennis McCormick, Member: Steve Martin.

The secretary's report for October 9 was presented and accepted by the board.

Bob Clausen presented 3 pages on a report from the treasury. The board accepted the report.

Frank Prievo reported that the present membership count was 203. The membership quantity was discussed.

Dennis McCormick reported their Amiga SIG would probably discontinue their meetings at the U. of Arizona, as their meeting room availability was cancelled. He reported they now have their new Disk Drive that was authorized by the board and all is well.

A report on the Newsletter activity was presented by Leila Joiner. The mailing costs and exchange with other clubs, including the Disk-Of-Month exchange was presented. With plans on up-dating the exchange lists. She reported, Bud Smith, handles the DOM exchange mailings.

The board will resubscribe to the'B-Bug' publication on the use of Busy Bee Software products.

Bob Clausen gave a report on the Green Valley visit and will have a article for the newsletter.

The board approved an order for all 3 programs of the Harv Harris Tax Program, covering 64/128, Amiga and M S DOS.

A new Q-Link Index will be ordered for downloaded programs for the club's use.

Ideas for a future bulletin board were given.

A discussion of additional equipment and programs to demonstrate GEOS will be compiled and costs presented to the board for a decision.

A project to review and improve the Club's By-Laws will be reported on at a future time.

Dennis McCormick was nominated to fulfill the office of the treasure for the remaining term of Bob Clausen, by Frank Traversone. The motion was seconded by Bob Holdcraft and carried unanimously.Plans for the January meeting of an Amiga Demo and for February the MIDI demonstration by Howard Wooten.

The meeting adjourned at approximately 9:40p.m.

CATALINA COMMODORE COMPUTER CLUB
INCOME STATEMENT
For Month Ending November 30, 1990

	END OF MONTH	YEAR TO DATE
REVENUE:		
Newsletter Member Fees	$265.00	$2,779.00
Newsletter Commercial Ad Fees	20.00	146.00
Library Sales	51.00	1022.30
Club Buys		1,187.49
Raffles and Auctions	24.00	608.00
Initiation Fees	40.00	380.00
Amiga SIG	168.00	425.00
MS-DOS SIG	20.00	20.00
Rental Library		74.00
Other		0.00
TOTAL REVENUE	$588.00	$6,641.79
EXPENSES:		
Newsletter	236.15	3,129.20
Library (B-BUG subscription)	20.00	282.52
Rental Library		0.00
Club Buy (Tax programs)	135.00	884.44
Raffle and Auction		0.00
Meeting		360.00
Bulletin Board		184.37
Membership (Postage)	25.00	62.50
SIG (25 blank Amiga disks)	18.89	98.66
Saturday Help Day		0.00
Depreciation		94.95
Administrative	8.18	141.72
Other		80.00
TOTAL EXPENSES	$443.22	$5318.36
PROFIT OR (LOSS)	$144.78	$1,323.43

CCCC 1990 Hall-of-Fame
by Leila Joiner, CCCC

In keeping with our long-standing (one-year-old) tradition, here is a listing of all the wonderful people who have, in one way or another, contributed to the success of our club during the past year. If your name is NOT on this list, would you please take a moment to consider what you might contribute in 1991?
Wouldn't you like to see YOUR name in lights, as one of our.....

CAST OF CONTRIBUTORS
(in alphabetical order)

CECIL ALLAIN -- Newsletter Put-together

MARJORIE BULLERS -- Newsletter Contributor

MARK BURGINGER -- Newsletter Contributor

CHIO BURTON -- Donated home for Graphix SIG Meetings

BOB CLAUSEN -- Newsletter Contributor, Graphix SIG Coordinator, Treasurer/Member-at-Large, GEOS Support Disks, Club Printing (Labels, Badges, Meeting Maps, Renewal Notices, etc.), Saturday Help Day, General Meeting Demos, Newsletter Put-together

TOM D'ANGELO -- Member-at-Large, Saturday Help Day, Newsletter Contributor, General Meeting Demos, Equipment Repair

DOUG DAVIS -- Saturday Help Day, BBS Sysop

NANCY DIPPOLD -- Hardware & Software Demos & Donations

DON DOELL -- Newsletter Contributor

TOM GALLOWAY -- Newsletter Contributor, Laser Printing, Amiga BBS Sysop

RON GRAY -- President/Past-President, Newsletter Contributor, Saturday Help Day

JOEL HALBERT -- Amiga Disk-of-the-Month, Amiga SIG Coordinator

BOB HOLDCRAFT -- Secretary, Club Mail, Newsletter Contributor, "The Write Stuff" Distributor, Saturday Help Day, Newsletter Put-together

PAT JENKINS -- Newsletter Contributor (Original Cartoons)

BERNIE JOINER -- Newsletter Contributor (Amiga Game Reviews)

LEILA JOINER -- Newsletter Editor, Newsletter Contributor, Newsletter Exchange, Amiga Disk Exchange, General Meeting Demos, Newsletter Put-together

MIKE LAWRENCE -- Amiga SIG Substitute Coordinator, Amiga Disk-of-the-Month Contributor, Newsletter Contributor

MARV LOSSING -- Member-at-Large ('89-'90), Newsletter Contributor (Calendar & D.J.'s ad), GEOS Support Disks, Newsletter Put-together

PAUL MACHULA -- Newsletter & Disk-of-the-Month Contributor

"TIGER" MERRILL -- Newsletter Put-together

DENNIS McCORMICK -- Treasurer, Amiga SIG Representative, Amiga Help Day, Newsletter Contributor, Meeting Demos, Amiga PD Library

DAVE MURAN -- Newsletter Contributor

LILA "MIKE" O'NEALL -- Newsletter Contributor, Saturday Help Day, Newsletter Put-together

OLIE PLIMPTON -- Commercial Software Rental Librarian

STEVE PRICE -- Public Domain Librarian

FRANK PRIEVO -- Membership Chairman, Member-at-Large, Newsletter Contributor, GEOS Support Disks (artwork), Newsletter Put-together

PHIL PUGLIESE -- BBS Sysop

JULIA RICHARDSON -- Newsletter Contributor, MS-DOS SIG Coordinator, MS-DOS PD Library, Saturday Help Day, General Meeting Demos

BOB SACKETT, S.O.C.K. -- Newsletter Reviews

AUDREY SCHNEIDER -- Green Valley SIG Leader

(Hall of Fame; cont. from previous page)
TED SEITZ -- C64/128 Disk-of-the-Month, Newsletter Contributor, General Meeting Demos

BUD SMITH -- Disk Exchange, InterClub Correspondent
KATHY SMITH -- Public Domain Librarian

TOM STUBBLEFIELD -- NEW Public Domain Librarian

WARREN TALBOT -- President, C64/128 Newsletter Layout, Newsletter Contributor, Laser Printing, General Meeting Demos, Saturday Help Day, Newsletter Put-together, Q-Link Club Account

MACEY TAYLOR -- Newsletter Contributor

DIANA TINSLEY -- General Meeting Demo

FRANK TRAVERSONE -- Vice President, Meeting Place Coordinator, Newsletter Mailing, Newsletter Put-together, Saturday Help Day

KEN WEAVER -- Amiga SIG Demos, Newsletter Contributor

STEVE WITKOWSKI -- Treasurer ('89-'90), General Meeting Demos, Newsletter Contributor, Newsletter Put-together

HOWARD WOOTEN -- MIDI Demos (Amiga & C64)

AMIGA SIG DEMOS: Computer Y's MicroShop, Practical Solutions, Software Etc., Dave Hamory, Ken Weaver, Eric Case, Lynn Doose, Howard Wooten, Don Woodward, Mike Lawrence, Mike Van Hoesen, Michael Mattson, David Mattson, Dale Call, Dennis McCormick, Joel Halbert, Pat Jenkins, Martin Staley, Steve Jess, Bob Maurer, Mark Burginger, Everett Sandoval, Jim Nutley
ADVERTISERS:
D.J.'S Electronics, Tony the Printer, Computer Y's MicroShop, GGGraphics, LaserAge, Roh's, Dale Beach, Steve Martin, Dennis McCormick, Roger Gouin, ABO
If YOU belonged somewhere on this list and were inadvertently left out, my humblest apologies. Even newsletter editors make mistakes!
   HAPPY NEW YEAR TO YOU ALL &
   HOPE TO HEAR FROM YOU IN 1991!!
    Leila Joiner, Editor

LOOK WHAT CMD IS DOING NOW!!!
downloaded from Q-Link

HARD DISK DRIVES

CMD HD Hard Drives are Commodore C64 and C128 compatible hard disk drives which are easy to connect, easy to use, full of features, and affordable. Available in three standard versions (20, 40 and 100MB), larger capacities may be custom ordered.

CMD HD drives plug in directly to the serial port (like Commodore floppy disk drives) and achieve transfer rates of up to 10 KBytes/sec. Speeds of up to 64 KBytes/sec. are achieved by parallel connection via RAMLink.

HD hard drives come fully formatted and ready to use. Full Commodore DOS command compatibility allows you to easily use the HD immediately.

Features:
* Full SCSI port for connection to additional drives and other computer types (Amiga, MS-DOS, Macintosh).
* System supports 4 GBytes of storage.
* External power supply for long life.
* GEOS and CP/M compatible.
* 1541, 1571, & 1581 emulation modes.
* SWAP 8 and SWAP 9 features.
* Write Protect switch
* Supports up to 254 partitions
* Full subdirectories in Native Mode.
* Built-in Real Time Clock

Pricing:
CMD HD-20	$599.95 + shipping
CMD HD-40	$799.95 + shipping
CMD HD-100	$1299.95 + shipping

RAMLINK

RAMLink is designed to overcome the limitations of current RAM expansion units by providing a transparent interface between the C64/C128 and the REU. RAMLink uses it's own internal RAMDOS which does not 'wedge' itself into computer memory, nor does it require an area of memory for transferring of data between the computer and REU. This allows you to use your REU as a RAM disk with most commercial software. CMD's RAMDOS operates at up to 20 times faster than standard RAMDOS.

RAMLink also provides a separate power source for the REU, allowing you to turn off your computer without losing information stored in your REU. JiffyDOS is built in, allowing you to use JiffyDOS wedge commands with the REU and disk drives. You may also purchase JiffyDOS disk drive ROMS to get increased disk access speed.

RAMLink will allow you to add up to 4 MegaBytes of expansion memory, for a system total of 4.5MB when using a 1750 REU. A high speed parallel port is also included for ultra-fast data transfer with the CMD HD series of hard drives.

Other features include a reset switch, RAMLink bypass and JiffyDOS disable switches, SWAP 8 & SWAP 9 features, & expansion port pass-thru connector.

RAMLink is expected to start shipping in March of 1991, with a retail price of approx. $100.

Upgrading RAMLink

If you buy the base unit without RAMCard, then you would have to buy a RAMCard later in order to add memory. RAMCard may be installed by the user.

If you buy RAMLink with RAMCard, or if you to purchased the RAMCard later, then you may add SIMMs to it afterwards up to a total of 4 SIMM modules.

RAMLink can hold only 1 RAMCard, and RAMCard can hold only 4 SIMMs. SIMMs may be 1 Mb x 8 or 4 Mb x 8 types, but all SIMMs installed must be of the same type (you may not mix 1 Mb x 8 and 4 Mb x 8 SIMMs) on RAMCard.

RAMDrive uses essentially the same DOS as RAMLink does. Compatibility will be the same for both products for the majority of software. Generally speaking, either product will work with any software which can use a disk drive. Limitations are the same for these as with the HD, so software which contains copy-protection or drive dependent code cannot be booted directly from these units. However, most any software which can use any Commodore drive for data storage can also use RAMLink or RAMDrive instead.

Shades of UNIX!
Look what CMD is doing for GEOS!!!

As I know that many of you are curious, here is some info on gateWay, our replacement for the GEOS deskTop. This was, by the way, previously called by its project name, PORTAL. From this point on, it will be referred to by its actual release name, gateWay. Now for some info:

The gateWay is a replacement for the GEOS deskTop which is intended for ALL GEOS users. Versions of the gateWay will ship with RAMLink and RAMDrive, and will also be sold separately for those who do not buy these products. Both 64 and 128 versions will be available. The gateWay will offer GEOS user a more versatile way of dealing with the GEOS environment, as well as the ability to use more of the extensive capabilities of CMD hardware.

Better Drive Support

The gateWay offers full 3 drive support. No more ghosted Drive C. Applications and data files may be

(from previous page)

launched, and files may be copied or erased from Drive C without having to swap it with Drives A or B. Auto-swapping will occur if the application launched isn't capable of using Drive C, and this process will be reversed when you exit from the application.

The gateWay also allows you to assign a file's icon to a disk. This allows you to easily identify which disks are in your drives. The assigned icon remains intact on the disk until you change it. The default icons are also different for 5.25" and 3.5" devices, so these too are easier to identify.

As for CONFIGURE...well, say goodbye. The gateWay has no need for this. It will automatically detect which devices are attached on booting, and load the appropriate disk drivers from your boot disk. These drivers then become resident, so those of you without RAM expansion will never again run into those problems that occur when you don't have CONFIGURE on a disk. And if you need to change devices during a session, just launch the appropriate disk driver.

And if you have a CMD HD, RAMLink, or RAMDrive, you'll have access to CMD Native partition types. This means that you can have up to 16 Mb of storage on a single device. You'll also have access to CMD Native partition subdirectories (folders), and partition switching directly from the gateWay screen.

SATURDAY HELP DAY

U of A MEDICAL (UMC)

GENERAL MEETING 1ST TUESDAY EACH MONTH 7PM

NORTH CAMPBELL

PARKING

EAST ADAMS

HELP DAY

GENERAL MEETING

MADONNA HALL

1946 EAST ADAMS

MAP NOT TO SCALE

PARKING

EAST SPEEDWAY

DON'T MISS IT!!

CCCC INC   PO Box 32548
TUCSON, AZ.   85751-2548

The C.C.C.C. Meetings are at STS Peter & Paul Catholic Church, located 4 blocks North of Speedway on Campbell. The General Meeting is the first Tuesday of every month, 7-9PM, Saturday Help Days occur the third Saturday, 10AM - 2PM.

Integrated Control Panel

Gone too are the days of Preferences and the Preference Manager. Instead, gateWay offers a Control Panel (built-in, not a separate file) which allows you to set your colors, screen pattern, input and printer drivers, default pad size and more. (Yes the pad upon which your files are viewed IS resizable).

The Pad

Not only is the pad resizable, but it also features a fuel guage to indicate the amount of disk space used and available, and a proportional gadget for easy scrolling of the file display. The gateWay loads the full directory into memory so that you may not only view more file entries at a time, but may also move more quickly through the entire list. Each file entry also displays a file 'type' icon for easy identification. And you may specify that all types or only certain types be viewed (you may launch files from within any view mode as well). A single click on a files type icon will bring up an info box, and a single click on the fuel guage will bring up a disk info box. And when copying or erasing files, a status box will keep you informed of the number of files remaining to be copied or erased. The pad also features a BROWSE option to allow you to quickly locate a specific file within your current directory.

gateWay Documents

The gateWay also supports an all-new file type - the gateWay Document. This allows you to 'attach' special programs directly to the gateWay file, such as a photo or text viewer. These 'programs' will then be automatically copied to any disk which you place a copy of gateWay on, without using separate files.

Task Switching

And for those who have RAM expansion, how would you like the ability to instantly switch between two applications, any time you want? And without quitting from either one? Imagine the possibilities...with the gateWay's Switcher, it's not only possible, but easy.

RAM reboot?

As long as the gateWay is used to create a new boot disk, RAM rebooting will be possible with either device.

Under gateWay, the concept of a RAM 1541 or RAM 1571 are no longer applicable...the gateWay will check to see how much RAM you have when it installs the RAM disk driver. It will then steal the necessary amounts for the system and Switcher functions, and finally allocate all remaining RAM to the RAM disk.

Price is expected to be approximately $29.95 for a single version, and $39.95 for both 64 and 128 versions. These are not yet set in stone, but these are the prices we have discussed up to this point.

Tell Us More! CMD!!!
downloaded from Q-Link

RAMLink/RAMCard/RAMDrive

First off, RAM expansion is really a misnomer in the case of Commodore 8 bit machines, since you really cannot expand working memory beyond what is already in the computer (with the possible exception of adding additional banked RAM on the 128). While there are some 'hacks' which can do this on the 64, these are not normally usable by the operating system without special programming. This means that additional RAM is really just a storage device, though there are a couple of ways to use it.

Now, because Commodore determined ahead of time on the 128 that RAM expanders would exist at some point, they placed special commands in BASIC 7.0 (STASH and FETCH) to store and retrieve data from a RAM storage device. These commands were keyed to use with a device which followed certain hardware rules (access registers and DMA operation), and because only Commodore has the chip specially designed to conform to those rules, only a Commodore REU can be used with those commands. The real problem with this is that very few (commercial) programmers bothered with utilizing this capability. This is really not bad practice, as it is unwise to limit the potential market for your product by requiring specific hardware, though a wise approach is to allow anyone who has such hardware to utilize it. Regardless, Commodore included with their REU's a 'RAMDOS' to allow using the REU as a RAM disk instead of as a direct access RAM storage device in hopes of allowing more software to work with the REU. But because this DOS was not transparent to the computer, and in fact required portions of the computer's own RAM, most software generally will not work with this method either (typically the portion of RAMDOS in the computer gets overwritten or disabled by software). Another problem with RAMDOS is that it contains only a subset of the normal disk drive commands.

Our idea in creating RAMLink was to provide a complete DOS interface for the RAM which would be truly transparent, thus allowing the REU to be used as a RAM disk with almost any software which could otherwise use a disk drive.

RAMLink itself does not act upon the STASH and FETCH commands. However, if you have a 17xx series REU plugged into RAMLink, you may place this expander into what we call DIRECT mode via a toggle switch. In so doing, the REU is no longer available to RAMLink as RAM disk storage space, but is instead seen as it would normally be on the expansion port. Basically, you would now have a power backed REU without a DOS.

Enter RAMCard - But now let's say that you have a RAMCard in RAMLink as well as the REU. When you placed RAMLink in DIRECT mode, RAMLink started ignoring the REU as available storage space. But any RAMCard RAM can still be used by RAMLink for that purpose. So you have both a power backed REU and a fast RAM disk.

Now RAMDrive was designed for those who don't really require the REU, but would like to have a RAM disk. It is basically a combination of RAMLink and RAMCard into a single unit, without all the additional bells and whistles that RAMLink has, i.e. the RAM port, pass-thru port, parallel HD port, etc. RAMDrive is also smaller and contains built-in battery backup for power failure and portability. It can coexist with a Commodore REU on a multiple cartridge port expansion unit, and can even use the RAM in that REU as part of its own storage, but in this case the REU is always seen on the bus and can be overwritten by programs which recognize and use it directly. RAMDrive is also not intended as a device which can be easily expanded - that is more of a function of RAMLink.
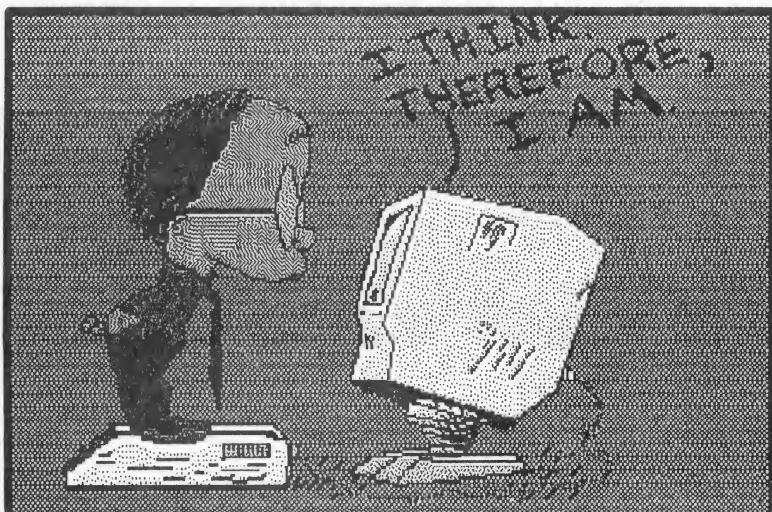
Creative Micro Designs Hard Drive
A Hands-On Review - Ken Thompson

When I found out that the system operator of one of my favorite local bulletin boards, Bill Vigasin of the Big V BBS (602-293-3390, 300-1200-2400, 24 hrs) had actually took the plunge and purchased a HD-40 from CMD (Creative Micro Designs), I asked him for an opportunity of taking a bit of time with the drive and 'playing' with it.

After a few hours of heavy-duty use, I've come to the conclusion that this *is* the drive of the 90's for serious Commodore 8-bit users. One of the best features of this drive, however, is the fact that it's capable of being used on OTHER systems, with a special cable to the SCSI port. This has got to be a prime concern; after all you don't go and spend several hundred dollars on a single piece of computer hardware to NOT have it compatible with other systems you might have, or get in the future. As Bill is presently an Amiga 500 owner, this feature was a prime selling feature of this drive.

The drive is just a bit larger than a 1581 drive, but can hold as much as 65,280 blocks in a single partition! Overall storage space of this drive is slightly over 40 megs (or right around 156,800 CBM blocks!) Now, think about the 664 blocks you have with a 1541, or even the 3160 blocks available on a 1581 disk, and you'll see just how valuable the partitions are! Up to 255 partitions are available, and are accessed with one command thru the drive's command channel. The smallest partition available is 256 blocks, and, in native mode, will increment in 256 blocks; thus your next largest is 512 blocks, etc. This comes in handy, for those applications which require very little directory or program space.

The drive can also emulate four different 'disk formats', as partitions; namely the '41, '71, and two different '81 emulations, native and CP/M mode. For those of you who use GEOS, the drive has the capability of auto-booting from the drive, if a specific commercial program is used to move the boot-up specifics from your floppy to a GEOS partition. All GEOS partitions are set-up as '81's, for maximum compatibility & speed. Since Bill does not own GEOS, we were unable to test this feature.

Now, you're probably wondering, 'How much faster IS it?'. Well, we did not do any quantitative speed measurements. We did do some disk duplication, as Bill copied two 1571 & two 1581 disks full of information from his BBS into one of the large partitions. Approximately 600 files with right around 9000 blocks were copied onto the disk in about one hour! According to Bill, this was nearly a 50% reduction in time that it would normally take.

Next, after Bill done a bit of reconfiguring, we started the BBS, and logged on in local mode. After watching some messages come up on the screen go speeding right by, we knew we were REALLY looking at a speed demon! From our estimates, we'd say that it was about twice as fast as a stock (non-Jiffy DOS) 1581! That's quick, for serial data transfer, and unheard of, until now, in the Commodore world!! With Jiffy-DOS installed in your computer, it gets even better!

The operating manual was very clear and concise, even for an early revision of the documentation. It was very understandable, and had no glaring omissions. Everything that we needed to know about partitions, their selection, and other new drive syntax was clearly explained, along with plenty of examples of use. Another real nice point about the documentation was explanations about the software that accompanied the drive. Two disks were included; one for GEOS users, the other which contained many useful utilities, including a low-level format program. Since the actual disk operating system is stored on the drive itself, the drive has a closed partition all to itself that contains the Commodore 8-bit DOS. If you wanted to use the drive on another system, you would have to fabricate (or have someone do it for you...) a cable which would go from the SCSI port on the drive to the controller card/port on your particular machine. Complete details for doing this is in the manual, as well, along with the program to re-install the Commodore DOS back onto the disk. At this time, there is no way of having two separate operating systems on the drive.

The final section of the manual gave some things that all owners should look forward to in the coming months; things such as configuring one of the partitions to ask as a disk buffer for outputs to your printer, a true parallel interface from your C64/C128 to the drive, and other goodies! Also was a list of other software utilities that are being written; many of them were written for C64 mode, hopefully C128 versions will be available soon!

So, for the price, I don't think you'll find a better value in a hard drive. Now, to be honest, I have yet to actually play with a Lt. Kernal, or an ICT hard drive, but from what I understand about these and other Commodore 8-bit compatible drives, for ease of use, and configurability with nearly ANY program you'll want to use, the CMD Hard Drive is tough to beat.

C64/128 GAME HINTS AND TIPS
by Marjorie Bullers, CCCC

Dear readers;

I would like to know how many of you readers and members out there want this column? If you want to see it continue please respond by calling 884-9508 and giving me a hint or ask a question you want answered.

If there is no response this column will be discontinued next month.

We have tried, now it's your turn. Thank you.
Marjorie L. Bullers

Warren Talbot,
CCCC President Leaving

Perhaps I have assumed too much; now I must face the reality that comes from this type of error. The fact is, I am, and have been broke - far too long. I shall regress and give you somewhat of a short biography of the previous years to my computer experience, and why I must leave; perhaps the membership will understand why I must create a change in my life:

When I arrived in Tucson, I was relatively new to computing; I had recently quit a carnival in New England where I was working as the Show Electrician. I have lived and worked from my 33 foot travel trailer over ten years and had been in New England during the summer and traveling southwesterly during the winter for the past four years, basically seeing the country, when I discovered how nice the desert winter is. During the time that I worked for the carnival I was always looking for an alternative: I worked for Sci Expo the winter that it existed, as an Electronics Technician. Although I am a technician, the electronics industry has gone South; apparently for me, so has that vocation. When I worked with the carnival as the Show Electrician, my desire was to become licensed: When city electrical inspectors would sometimes discover the show was not wired by a licensed electrician, my bosses would have to do some political fanagaling; it was to their advantage to get me licensed also. All wiring permits were signed by a paid licensed contractor prior to the shows arrival; in some cases I signed the contractors name as the person who wired the thing upon city inspection. Due to this *combat zone* mentality it became increasingly difficult to become licensed; I realized the carnival as a vocational dead-end; my short winter encounter with Sci Expo is what brought me to Tucson.

To an electronics enthusiast like myself using calculators to figure equations is rather boring. However, as an electronic tech and show electrician I used a pocket computer, but found the limited memory to be somewhat confining. At the time that I *gave up* the carnival is when I bought a Commodore 64.

As I was traveling at my typical off season rate of approximately 50 miles a day in my trailer and running my generator for electrical power, I was spending much of my time parked along the roadside learning my new found hobby; computing. Actually, my interest took a dramatic turn as I discovered the GEOS disk that was packaged along with my C64. During that last trip from New England to Tucson the GEOS bug bit; I have been hopelessly addicted since.

When I arrived at Tucson in October 1987, I was hungry for other GEOS users. Starving for geoGoodies, I discovered the Catalina Commodore Computer Club. However, upon finding the Club not to be in support of GEOS, I *assumed* that it had only been released for a short time and would gain acceptance among Club members. However, about this time the Amiga was being released, so many members were selling their C64/128s in favor of this new-found powerhouse; well understood, as productive computerists are always searching for more computer muscle. I like and use the Amiga, but I find that in order to create a productive machine the cost is more than I can afford at this time. Perhaps I have chosen the *back door* approach; getting a PostScript laser printer, *assuming* the Club newsletter would prove GEOS/C64 worthiness and provide needed support.

Recently I posted a question on the Big V Bulletin Board, in the Computer Corner message base with discussions relating to the different programming languages: "Pascal, C, BASIC... Where does UNIX fit in?" I asked. The question brought a rather feeble reply, "UNIX is a way of life..." Perhaps this explains my geoFanaticism; to quote from the geoProgrammer manual: "...geoProgrammer is a scaled-down version of the UNIX based development environment Berkeley Softworks actually uses to develop GEOS programs."

At this point I would like to refer to an article in the CCCC newsletter, May 1990: *Feel the Power*. I had borrowed a copy of *The NeXT Book* and became amazed; the UNIX Operating System provided by NeXT seemed to be describing GEOS! However, at this time I had not tied things together; the NeXT machine and Amiga 3000UX are the only UNIX systems available to the personal computerist. The soon to be released *gateWay* from CMD reads so close to an actual UNIX system that I tied the header *Shades of UNIX* to the top of CMDs *gateWay* article!

LOL! It's off to San Diego to live with my parents; an idea that causes me to shudder. Good luck Catalina Commodore Computer Club. And it's *just tough* if I have made an ass-u-me with my rampant geoDrivvel.
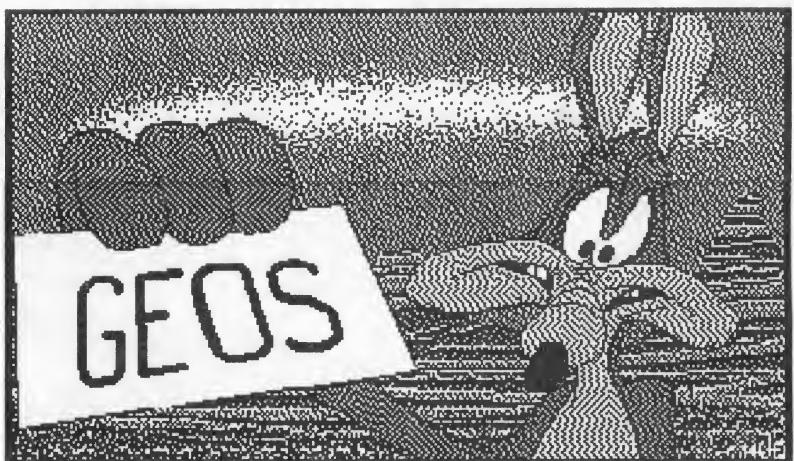
Amiga News

Amiga SIG Meeting
Tuesday, November 27, 1990
Harvill Building, U of A

Over 40 people crowded into Rm. 211 to attend a bang-up meeting starting with Commodore Rep John Gretz and ending with a demo of NewTek's Video Toaster by Ken Weaver and friends.

COMMODORE SAYS:

Gretz started out describing (and distributing flyers about) CBM's newest products, namely: the UNIX system, the Video Enhancer Board, the CBM/Pioneer/Scholastic educational system and CDTV ("Baby").

The Amiga UNIX system will be officially released in mid-February 1991, but only for educational markets. Over 200 beta units have already been sold to Virginia Polytech. No problems have occurred yet with beta systems hooking up to Ethernet. This system uses release 4.0 of the UNIX standard operating system, will boot to either UNIX or AmigaDos. UNIX cannot currently window AmigaDos into the UNIX system, since AmigaDos is a realtime system and UNIX is non-realtime. It should be possible in the future to upgrade a standard A-3000 to UNIX by adding a couple of ROMs and a tape drive.

The Video Enhancer Board is similar to the Flicker Fixer and uses the Amber chip. Plans are underway to employ the Lowell card for a 1024x1024 color display. Perhaps in mid-January?

The educational system is described elsewhere in this newsletter.

CBM plans to launch CDTV in mid-January at the Las Vegas show, at which time they expect to have approximately 80 titles ready for use with the system. Seven or eight are finished at this time. Suggested retail is rumored to be "well under $1000." The market for this product will be people who are afraid of computers, but familiar with a CD unit. "Baby" has been featured in Sports Illustrated.

Mr. Gretz's most popular item seemed to be a flight bag with the Amiga logo on the side (a gift from Commodore). Many of those present indicated they would like to buy one, if available.

OTHER ANNOUNCEMENTS:

The next upgrade to AmigaVision will address CD-ROM.

The latest AmigaVision upgrade is 1.53g.

Mark Burginger designed the snowflakes for the Santa Claus display at El Con Mall on the Amiga.

AND THEN, THE VIDEO TOASTER:

Ken Weaver and Nancy Dippold of ComputerY's MicroShop, in conjunction with Software City, demonstrated NewTek's Video Toaster and its associated 3D software, LightSpeed.

The Toaster performed admirably, in spite of the fact no one really had enough time to play with it beforehand. It does take over the Amiga completely, and does not multitask. Seven input switches include 4 external video, 2 digital channels and a background generator. All inputs need to be Time-Base-Corrected. An impressive library of video effects manipulate live broadcast video in real-time. Ken said they checked out the built-in SYMPTE color bars with a scope and found the sync excellent, the luminance a little low (better than too high!).

The LightSpeed demo tape was very impressive. This 3D animation software package is not available separately. The Toaster lists for $1595, but will be available at Software City for $1495 until the end of December. Only demo versions of the Toaster are shipping at present. It has passed FCC regulations, but is still awaiting the issuance of a registration number.

Word is the Video Toaster will be redesigned by mid-February to fit the A-3000 video slot.
Many thanks to the people involved in bringing us this excellent demo!

IN CLOSING:

Dennis McCormick demo'd the Disk-of-the-Month.

Leila Joiner,
Editor

Hypermedia Authoring on the Amiga

by Macey Taylor, CCCC
[reprinted from CALL Journal 1:1]

Since the Amiga is a multi-tasking computer designed for multimedia work, its hypermedia potential is limited primarily by the creativity and time of the author. In the first three years authoring software was developed mainly for graphics work and desktop video presentations (both interactive and just "show and tell"). Most of these could be used to create a set of hypermedia-style non-linear connections between files and programs, but only with considerable effort and skill on the part of the programmer. Hypertext per se was slow to be implemented, probably because of the graphics and sound focus of Amiga users. However, the past year has brought to market several products which fall overtly in the hypermedia authoring category. Most of these authoring programs have ARexx ports (or EXECUTE commands) for ease of integrating output from various programs and device drivers for video tapes or disc players. This allows the use of external graphics and sound sources, in addition to the digitized sound and graphics production capability (now almost standard on Amiga configurations) and the built-in synthesized speech. Several of these authoring systems are described briefly below.

UltraCard is a hypercard clone, Amiga-style. It uses the card and stack metaphor and a scripting language called UltraTalk. According to Hanish (1990), who has written material for use with his adult literacy/ESL students, UltraCard compares favorably with HyperCard, being more flexible because of the Amiga's multitasking and color but a little slower to use while developing. A Hanish program shows a picture, says the word associated with the picture, and asks the student to type in the word. After the spelling has been checked, a list of related words is shown, each word leading to other related frames. Authors can jump to their favorite paint programs, text editors, etc., and import their work into the project, and jumping among stacks is also possible. Hanish, like most Hypercard reviewers, suggests a favorite Hypercard book to supplement the documentation. Because UltraCard is the program most like Hypercard, authors who want to use existing Mac efforts will probably prefer porting to this program to minimize rethinking.

CanDo is a more graphics-based "card and deck" program, almost totally icon-operated. It directly supports multiple DeluxePaint animations simultaneously and also offers ARexx. It supports external video and audio hardware and offers interaction via buttons, requesters, "hot spots," etc. Completed programs may be distrinuted independently, not needing CanDo for playback, a plus for authors who would like to be compensated for their efforts.

Interactor is a hypermedia presentation system which uses the metaphor of a play (stack) consisting of scenes (cards). It provides its own animation capabilities and supports genlock and laser disks.

The lowliest (and cheapest, as low as $28 discount mail order) of all these but perhaps the most useful to the teacher who is not a programmer or techie is a little hypermedia word processor called The Thinker. Billed by its producers as an "idea processor and outliner," this tool is worth a great deal of exploration, for absolutely no programming knowledge of any type is needed to put together a document which contains links to other text files, to graphics files, to sound/speech files, and to applications programs or just about anything you have enough memory to execute. This is a true hypertext/hypermedia program with no concomitant need to learn either a scripting language or what a bunch of mysterious icons do, for all linking is done through highlighting and requesters. Real programmers may decry the lack of a language and the additional power this gives an author, but how many teachers have time to be real programmers?

One of the most useful features of The Thinker is the ability to have multiple windows of any size open at one time. If the user wants to "keep" any or all links that have been opened, that can be resized to a tiny window and piled up in a corner, to be dragged out and enlarged whenever, without having to jump back through the whole trail. For example, when reading about a country, the user might call up a variety of text files on different topics, a map of the continent, a map of the country, a picture of the native dress, etc. Foreseeing a need further on in the main text to refer to the maps again, the user can stick them in a corner and dismiss the other links. When, indeed, the need arises to see where something is located, the right map is at hand. Or, in reading something with numbers, a user might want constant access to the calculator or a spreadsheet. I find it handy to open one or more Notepad windows in order to have a place to jot down ideas; a student user could use the Notepad for notetaking on the material.

It is also possible to open up to eight document windows at one time, a feature probably of more utility to the teacher cutting and pasting while creating a new document than to the student reading. (The Clipboard is fully supported and can be used to move a sentence or a whole branch.) However, these features, combined with the fact that The Thinker's original purpose was to serve as a document organizer, offer the student user a tool for the creation of a report from multiple on-disk sources of various types.

Also useful is the index-generating feature, which provides a list of all the labels (linked files) used in the project, which can then become an index or glossary.

As a word processor it's no great shakes, but its acceptance of ASCII files (and spreadsheet files, etc.) allows you to use your own favorite for large chunks of typing. You will also want to export files to your word processor if you want them printed nicely or with any special/foreign characters, etc., for The Thinker sends material directly to the printer port, not affected by the Preferences printer selection and thus ignoring any embedded escape sequences.

I have tried a number of hyper programs and other authoring tools on various computers. The Thinker is by far the most user friendly. It took me about an hour to assemble a 15-minute presentation with digitized and drawn pictures I already had and all new text. I used the sample document on the program disk as a resource when I needed to know how to do something that wasn't immediately evident, thus avoiding reading the documentation. As far as I am concerned, its only significant lack for CALL purposes is that of an obvious means of controlling external devices such as laser disk players. I suspect that, because this program was designed to be multitasking, this ability is there waiting to be discovered.

REFERENCE
Hanish, Michael. 1990. Play Your Best Hand: Building a Presentation with UltraCard. *Amiga World*, February, 38-42.

CBM's Educational Multimedia Package

Commodore is offering an impressive educational system which includes the Amiga 2500/30 with AmigaVision multimedia authoring software, an Internal Video Genlock Board, a durable Pioneer LD-V2200 Laser Disc player and Scholastic's captivating interactive videodisc, "Struggles for Justice: Volume 1" (available only for the Amiga).

This powerful educational package lists for $4199, a savings of $2700 from the standard retail price.

Disk-of-the-Month December 1990

Spread -- A small, useful and slightly unusual spreadsheet program.

TitlePageJr -- Shareware video titling program, actually a crippled version of a more powerful commercial product.

Text -- ModemTalk.glossary: Glossary of common BBS terms.

TextCalc.v1.5 -- Newest version of TextCalc, used to do automatic math in text documents.

ScreenX3.0 -- Newest version of ScreenX, controls and organizes multiple screens in your system.

Utilities -- Flip: Screen flipper - smaller, quicker, less powerful than ScreenX; Pcopy: Fast disk copier; SID: A repeat in the library - used to list tasks for StackWatch; StackWatch: Lets you monitor stack activity for any task; SysInfo: Nice display lists system configuration info.

DaffyAlarm -- Entertaining alarm clock program.

New from NEW HORIZONS

New Horizons Software, makers of the popular ProWrite 3.0 word processor, announced the upcoming release of two more high quality productivity applications for the Amiga.

GRAPHIC DESIGNER is "for people who need to create detailed and precise drawings, from the simple to the complex, but who don't have time to grapple with slow and difficult-to-use programs.......designed to be fast, intuitive and affordable."

Features include a Bezier smoothing algorithm, multiple drawing layers, flexible text handling system, unlimited number of user-definable multi-color patterns, ARexx port with macros, printing controls (reduction, enlargement, sideways, adjustable density). An oversize page will be printed as several separate pages, allowing drawings of over 64 square feet to be created.

QUICKWRITE is a word processor "designed for the first-time Amiga user with a minimum system configuration." Features include a fast WYSIWYG display, advanced mail merge facility, 50,000-word spelling checker, macros, ARexx port, automatic date and time markers and complete printing control.

Professional Page import-export compatibility and ProWrite file compatibility considerably expand QuickWrite's usefulness.

QUICKWRITE will be available in the last quarter of 1990 at a suggested retail price of $75.

GRAPHIC DESIGNER will be available in the first quarter of 1991 at a suggested retail price of $125.

THE MALTESE VIRUS

by D. F. Doell, CCCC

They reminded me of a cackle of geese or whatever you call a flock of geese. They made me want to get away to Catalina Island again where all one heard or saw were graceful sea birds and the occasional killer whale. Catalina: a place where the hand of man has never set foot, where the sands of time run very quietly down through the hourglass of life, where life is basic, fundamental, elemental, primal, natural, straightforward, and unsophisticated. They were gathered around an Amiga 1000, and they were all talking at once, observing and surmising and interrupting and contradicting each other. Geese!

The display on the 1000 was unusual. A spreadsheet with curving, varicolored lines was laid out diagonally on a purple screen, and numbers appeared and disappeared upside down in its cells. Sometimes they were added, and sometimes they were subtracted, but the cells never changed. Formulas with cryptic symbols periodically flashed in random locations. From time to time the screen strobed and a requester appeared saying, "Had enough? Want to quit project now?"

The guy seated at the machine had his head in his hands, if you know what I mean. But none of the group knew what was wrong or what to do. All the signs were there, but they couldn't recognize them. Typical. They had a virus, an especially bad one, probably the Maltese, and the 1000 would never play the violin or say "Insert Workbench" again, unless they let me get to work.

I guess some of them heard me draw my 3.5" Antiviral 5.0 disk -- "Baby," I call it -- from the shoulder holster, because it suddenly got very quiet and they all turned to face me. The 1000 immediately retreated into a small and dark guru meditation and began defensively to flash black and red on the screen; it knew I was there, too.

A fat man in a soiled, white suit pushed his way forward, giving the elbow to a nice brunette and stepping on the toe of a redhead who winced in pain. Right behind him came a little mouse of a guy with shifty eyes. "Rat" may be a better term for him, because the redhead jumped forward and squealed as he passed. When she suddenly put her hand behind her, it told me kilobytes about the little rat's values. Mutt and Jeff were quite a pair of sweatballs. Perspiration was beaded on the fat one's upper lip. "You must be the virus detector," he said with a greasy smile. "I'm not the one who called, but I'll tell you right out: I'm a man who likes to talk to a man who likes to talk."

"Cut the white noise," I said. His eyes bulged a little, but he stopped right away. I tapped the computer operator on the shoulder and gave him the thumb to get him out of the chair.

I sat down at the machine, tipped back the old fedora, and started the routine. "I'm going to slap you around, Amiga, and if you know what's good for you, you'll learn to like it," I said. I popped out the disk in df0:, slammed in Baby, and rebooted all in one motion.

There was an explosion of sound and color, and gray tendrils of smoke shaped like ominous, claw-like ghostly figures, each with a hooked beak, rose out the CPU. They joined into a single, massive, gray, writhing, hook-beaked, circular fantasm around the monitor and hovered there wreath-like and wraith-like. The odors of burned insulation and corrupted chips were sharp in my nostrils. Dimly through the haze I could see the red-white-and-blue ViewBoot screen and the slender VirusX window, but they seemed curiously vague and warped. It was the clue I needed. I rebooted, and this time they straightened up, and the air began to clear as the fantasm swirled into one thick tendril and descended back into the CPU, like a genie going back into its bottle. No amount of quivering, overlaced, purple prose -- should I ever attempt to write it -- could begin to describe my satisfaction when I saw this.

I had found the virus, and it was the Maltese, all right. Only the Maltese gave you the beak and warped your perceptions. It was everywhere: RAM, the boot blocks of both disks, ROM, the printer cable, and even the surface of the mouse ball. Around it were wrapped other, less dangerous viruses, like the newspaper that is wrapped around dead fish at the butcher's or around small, fragile statuettes. The viral child who made the Maltese thought we detectors would stop after eliminating those and believe we had cured the whole disease. But I was one who could penetrate the wrapping and detect the core infection, too. I went through every disk. Each detection triggered the virus. A large, black falcon appeared on screen and flapped its ebony wings, while the speaker screeched in piercing defiance, "The Falcon strikes you where the sun doesn't shine: Your RAM! Your ROM! Your Mouse! Goodbye Your Data! The Falcon Strikes!!!" Under the black bird a message continually crossed the screen: "If you find this program useful, send $15.00 to . . . ."

I had no patience for that kind of thing. As I passed disk after disk through the machine, I shot all the antivirals at them at the same time and immediately afterward field-dressed the boot blocks. "I'm sending you down. You're taking the fall," I said each time for the sheer pleasure of it and then sent the virus into the big sleep. I didn't waste time on any long goodbyes, either. An American eagle had spied the foreign falcon, pounced, and shredded it.

"Where's the bird now?" asked the little mouse of a guy, looking up at the fat one. The fat one's mouth was opening and closing, but there was no sound coming out.

"Gone into nothin'," I answered, "like you, if you continue mistreating women." His eyes got big, and he scurried to the back of the crowd.

When I was done, I pulled Baby and slipped her back into her cradle. Once again an Amiga 1000 was pure and clean; once again it was the stuff that dreams are made on. I turned to the group. "This was a deliberate infection," I said. "It was too thorough to have been accidental. Who among you had the most to gain from lost software? Someone who cares nothing for niceness or niceties, who likes to talk instead of type, maybe?"

Hands formed into claws began to rise out of the group. The crowd started to surround the fat one. He had lost his lottery. As I left, I saw him back into a corner and begin to go down.

These are taxing times.....

So do yourself a favor and get Harv Harris' Tax Program for the Amiga for only $5!! Such a deal!! See your friendly CCCC Amiga Librarian, Dennis McCormick, for details.

CLASSIFIED ADS

FOR SALE: 3 IBM-compatibles with monitors. Also miscellaneous hardware &software. Call Nancy Dippold, 290-6947.

FOR SALE: C-128 with 1571 disk drive, $275. PET-4032 with 4040 drive, WordPro & VisiCalc, $75. Also miscellaneous hardware & software. Call Ken Weaver, 290-6947.

CanDo!

[downloaded from CompuServe]

It's the greatest and version 1.5 is the latest! These exciting new features in CanDo 1.5 are designed with one thing in mind: giving CanDo users exactly what they want: more control over the machine, increased ease of use, and the power to do just about anything.

What's New in CanDo v1.5? A Lot!

Database Functions - Any data can be stored and retrieved from disk files, allowing easy custom database creation.

Multiple Windows - Multi-window, multi-screen decks can now be created, as well as custom requesters for use from multiple decks.

Floating Point Math - v1.5 supports full IEEE double precision operations, 68881/68882 math co-processors, and all common Math and Trig functions.

AmigaDOS 2.0 support - CanDo now allows the use of AmigaDOS 2.0 border styles (2.0 not required). APP-Window events and overscan are supported as well.

Improved ARexx Control - This includes asynchronous messages allowing applications to work independently, and improved message replies.

New Script Editor - The new editor supports cut-and-paste and the ability to switch between any of an object's scripts when editing.

Expanded Variables System: Records and Arrays - This system now supports multi-dimensional arrays, Record Variables (similar to structures but much easier to use), and variables which are local to a script. Also, expressions are now evaluated 40% faster than before. This means faster execution of your decks.

New Commands and Functions - CanDo 1.5 contains over fifty new commands and functions to support the features described above, and many other new features as well.

All new EditorTools - There are a number of new script EditorTools to make your life easier. These include a tool for defining BrushAnim movement, a tool for creating and editing routines from any script, a tool for positioning brushes, and a tool for creating sound sequences.

Improved Error Handling - Now, user-definable error handling is a snap. The new Error Handling Object allows your applications to trap and handle errors in any script.

Right Mouse Button Object - And now, introducing our newest script launching option: the right mouse button click!

KeyInput Object - You asked for it and we delivered. Hit a key and launch a script!

ARexx Micro-Servers - These small external drivers work wonders! Use ARexx for:

Full Screen ANIM control - This includes starting and stopping ANIMs, going to (cueing) a frame, showing a frame, showing a range of frames, and much more.

Parallel Port Control - Similar to our previously released Serial Manager, the new Parallel Manager allows communications between CanDo applications and external parallel-driven devices, such as LaserDisc players, etc.

Compatibility - CanDo v1.5 is compatible with our Intro Pak and Pro Pak 1 packages and is equally compatible with all your previous CanDo creations. It is also completely AmigaDOS 2.0/A3000 compatible, of course.

CanDo's New Look - CanDo's user interface is now snappier and more efficient with an AmigaDOS 2.0 look. 2.0 not required.

Easy to Order Direct - We have made it easier than ever to order direct from us by phone or mail. Those in North America placing orders only can call 1-800-875-8499. Have your credit card ready.

Order Now: Orders for the CanDo 1.5 upgrade and new units of CanDo 1.5 will be filled on a first come, first served basis. The upgrade is scheduled to ship in mid-January, 1991. So order yours right now, and get ready for the power!

Cost For CanDo 1.5: $149.95
Upgrade Cost: $ 40.00

A shipping and handling charge will be added to all orders.

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General Meeting Schedule

WEDNESDAY GENERAL MEETING, January 2 , 7 PM
at St Peter & Paul Gramer Hall, 1946 East Adams
EXECUTIVE BOARD MEETING, Tuesday, January 8, 7:30 PM
at Devon Gables Home, 6150 East Grant Road
SATURDAY HELP DAY, January 19, 10 AM - 2 PM
at St Peter & Paul Madonna Hall
Southeast Corner of Campbell & Adams

Amiga SIG Meeting Schedule

Saturday, January 19 at Madonna Hall, 10:00 AM

CARTOONS
by CCCC Member Pat Jenkins

CCCC, Inc. Newsletter Staff

Leila Joiner, Editor
Warren Talbot, C64/128 Layout
Leila Joiner, Amiga Layout
Columnists:
Mike O'Neall   Bernie Joiner
Paul Machula   Julia Richardson
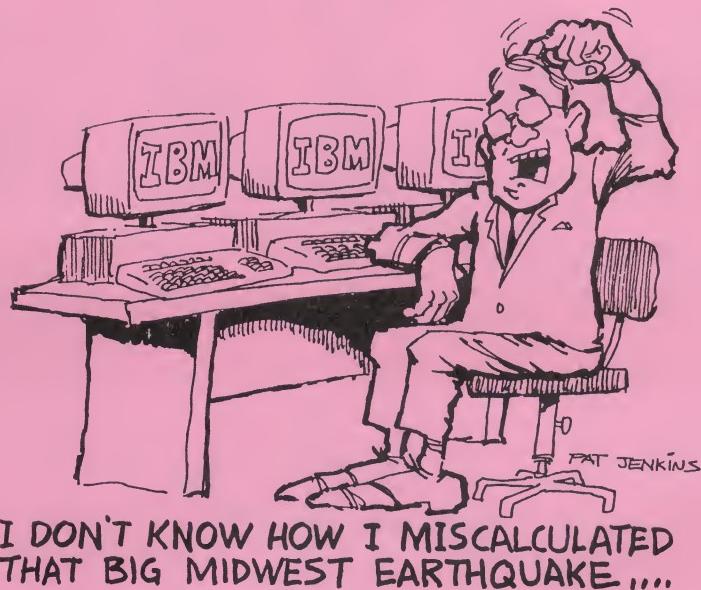Marjorie Bullers
Calendar by Marv Lossing
Laser Printing by Tom Galloway & Warren Talbot
Please Submit Copy to Leila Joiner
3710 East Edison
Tucson AZ 85716
(602) 327-0540

I DON'T KNOW HOW I MISCALCULATED THAT BIG MIDWEST EARTHQUAKE....

CCCC, INC.
TUCSON, ARIZONA

Catalina Commodore Computer Club, Inc.

NEWSLETTER VOLUME 9, NUMBER 1: JANUARY 1991

* GENERAL MEETING: January 2, 1991
St. Peter & Paul Gramer Hall
1946 East Adams
7 PM - Out NLT 9:30 PM

* SATURDAY HELP DAY: January 19, 1991
St. Peter & Paul Madonna Hall
Southeast Corner Campbell & Adams
10 AM - 2 PM

* EXECUTIVE BOARD MEETING
All Members Welcome
January 8, 1991 - 7:30 PM
Devon Gables Home
6150 E Grant Road

Membership Renewal/Address Change

ATTN: Membership Chairman, P.O. Box 32548, Tucson, AZ 85751-2548

NAME: _____

STREET: _____

CITY: _____ STATE: _____ ZIP: _____

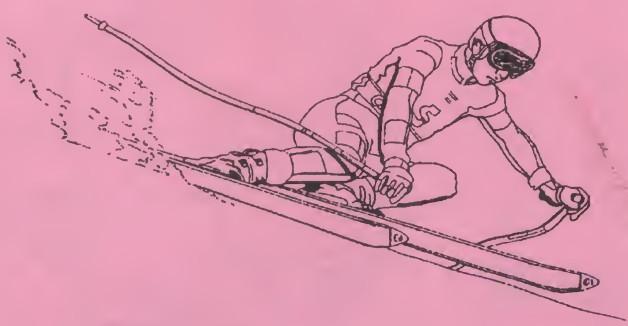PHONE: (_____) _____ CCCC#: _____

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MEMBERSHIP RENEWAL ($21 if out of town, $27 if out of country).
NEW MEMBERS PLEASE ALSO REMIT $10 INITIATION FEE.

NEW YEAR   BRING A NEW MEMBER
MEMBER #1069 EXPIRES FEB 1991

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